GOVERNMENT OF INDIA
HEALTH AND FAMILY WELFARE
LOK SABHA

UNSTARRED QUESTION NO:3068
ANSWERED ON:05.09.2007
ARTIFICIAL BLOOD
Badiga Shri Ramakrishna

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether the scientists in Britain have created artificial blood made up of plastic molecules which works as a substitute and is easier to store;

(b) if so, the details thereof;

(c) whether biological testing of the artificial blood has been completed; and

(d) if so, the outcome thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH & FAMILY WELFARE (SMT. PANABAKA LAKSHMI)

(a)&(b) Yes, Sir. As per the information provided by Indian Council of Medical Research, New Delhi, scientists in Department of Chemistry, University of Sheffield (Britain) have developed polymer which can bind to oxygen. This finding has been published by Dr. Lance Twyman and his colleagues in the journal Chemical Communications and Supramolecular Chemistry, 2006, who are now attempting to use this polymer to create artificial blood.

(c) & (d) No Sir. Since the product is not yet completely developed hence it is not yet completely developed hence it is not available for biological testing.